Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/02/2021 09:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/05/2021 10:33 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125392	0	1.90	125278	1.88
Blue	F	SSC	125000	123245	-2	3.35	123607	3.30
Blue	E	FITC	14400	14026	-3	2.69	322	15.68
Blue	D	PE	24713	24438	-2	2.13	560	10.91
Blue	B	PerCP-Cy5-5	31796	31408	-2	3.42	1038	14.83
Blue	A	PE-Cy7	21240	21120	-1	5.67	563	29.58
Red	C	APC	41319	40975	-1	3.20	1715	11.28
Red	A	APC-Cy7	21019	20685	-2	3.50	774	11.46
Violet	B	V450	7305	7110	-3	3.52	429	12.46
Violet	A	V500	28652	27945	-3	3.01	699	9.62

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23621	1.83	571	2	N/A	N/A	Pass
Blue	F	SSC	57216	2.10	520	8	N/A	N/A	Pass
Blue	E	FITC	59	52.95	495	4	0.0396	40	Pass
Blue	D	PE	118	37.51	493	6	0.4153	332	Pass
Blue	B	PerCP-Cy5-5	191	35.14	591	7	0.0188	7	Pass
Blue	A	PE-Cy7	112	69.44	638	8	0.0215	3	Pass
Red	C	APC	397	23.67	575	2	0.0293	200	Pass
Red	A	APC-Cy7	173	26.58	547	2	0.0066	890	Pass
Violet	B	V450	59	63.96	448	-8	0.0621	2278	Pass
Violet	A	V500	101	34.08	462	-8	0.0276	971	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.75	-31.52	1.16
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.42
Red	20.08	15.99 - 23.99	N/A	N/A	29.87	30.06	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 12225

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments